

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 14:34:31 ON 06 SEP 2002

L1 13233 S NEWCASTLE(W)DISEASE(W)VIRUS OR NDV
L2 53938 S (MODIFIED OR MUTANT OR MUTATION) (6A) (F OR H OR M)
L3 106 S L1 AND L2
L4 62 DUP REM L3 (44 DUPLICATES REMOVED)

=> d au ti so 30-62 l4

L4 ANSWER 30 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU Bagai S; Lamb R A (Reprint)
TI A glycine to alanine substitution in the paramyxovirus SV5 fusion peptide increases the initial rate of fusion
SO VIROLOGY, (24 NOV 1997) Vol. 238, No. 2, pp. 283-290.
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495.
ISSN: 0042-6822.

L4 ANSWER 31 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU BAGAI S; LAMB R A (Reprint)
TI TRUNCATION OF THE COOH-TERMINAL REGION OF THE PARAMYXOVIRUS SV5 FUSION PROTEIN LEADS TO HEMIFUSION BUT NOT COMPLETE FUSION
SO JOURNAL OF CELL BIOLOGY, (OCT 1996) Vol. 135, No. 1, pp. 73-84.
ISSN: 0021-9525.

L4 ANSWER 32 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU AMBROSE M R; HETHERINGTON S V (Reprint); WATSON A S; SCROGGS R A; PORTNER A
TI MOLECULAR EVOLUTION OF THE F-GLYCOPROTEIN OF HUMAN PARAINFLUENZA VIRUS TYPE-1
SO JOURNAL OF INFECTIOUS DISEASES, (APR 1995) Vol. 171, No. 4, pp. 851-856.
ISSN: 0022-1899.

L4 ANSWER 33 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU WATANABE M; WANG A; SHENG J; GOMBART A F; AYATA M; UEDA S; HIRANO A; WONG T C (Reprint)
TI DELAYED ACTIVATION OF ALTERED FUSION GLYCOPROTEIN IN A CHRONIC MEASLES-VIRUS VARIANT THAT CAUSES SUBACUTE SCLEROSING PANENCEPHALITIS
(VOL 1, PG 412, 1995)
SO JOURNAL OF NEUROVIROLOGY, (DEC 1995) Vol. 1, No. 5-6, pp. 412-423.
ISSN: 1355-0284.

L4 ANSWER 34 OF 62 MEDLINE DUPLICATE 7
AU McGinnes L W; Morrison T G
TI The role of individual oligosaccharide chains in the activities of the HN glycoprotein of **Newcastle disease virus**.
SO VIROLOGY, (1995 Oct 1) 212 (2) 398-410.
Journal code: 0110674. ISSN: 0042-6822.

L4 ANSWER 35 OF 62 CAPLUS COPYRIGHT 2002 ACS
AU Sergel, Theresa; Morrison, Trudy G.
TI Mutations in the cytoplasmic domain of the fusion glycoprotein of **Newcastle disease virus** depress syncytia formation
SO Virology (1995), 210(2), 264-72
CODEN: VIRLAX; ISSN: 0042-6822

L4 ANSWER 36 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)

AU BAGAI S; LAMB R A (Reprint)
 TI INDIVIDUAL ROLES OF N-LINKED OLIGOSACCHARIDE CHAINS IN
 SO INTRACELLULAR-TRANSPORT OF THE PARAMYXOVIRUS SV5 FUSION PROTEIN
 VIROLOGY, (10 MAY 1995) Vol. 209, No. 1, pp. 250-256.
 ISSN: 0042-6822.

L4 ANSWER 37 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU WARD C D; PATERSON R G; LAMB R A (Reprint)
 TI MUTANTS OF THE PARAMYXOVIRUS SV5 FUSION PROTEIN - REGULATED AND EXTENSIVE
 SYNCYTIUM FORMATION
 SO VIROLOGY, (10 MAY 1995) Vol. 209, No. 1, pp. 242-249.
 ISSN: 0042-6822.

L4 ANSWER 38 OF 62 MEDLINE DUPLICATE 8
 AU Taira H; Sato T; Segawa H; Chiba M; Katsumata T; Iwasaki K
 TI Transfection of Sendai virus **F** gene cDNA with **mutations**
 at its cleavage site and HN gene cDNA into COS cells induces cell
 fusion.
 SO ARCHIVES OF VIROLOGY, (1995) 140 (1) 187-94.
 Journal code: 7506870. ISSN: 0304-8608.

L4 ANSWER 39 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU WATANABE M; WANG A; SHENG J; GOMBART A F; AYATA M; UEDA S; HIRANO A; WONG
 T C (Reprint)
 TI DELAYED ACTIVATION OF ALTERED FUSION GLYCOPROTEIN IN A CHRONIC
 MEASLES-VIRUS VARIANT THAT CAUSES SUBACUTE SCLEROSING PANENCEPHALITIS
 SO JOURNAL OF NEUROVIROLOGY, (JUN 1995) Vol. 1, No. 2, pp. 177-188.
 ISSN: 1355-0284.

L4 ANSWER 40 OF 62 CAPLUS COPYRIGHT 2002 ACS
 AU Sergel-Germano, Theresa; McQuain, Catherine; Morrison, Trudy
 TI Mutations in the fusion peptide and heptad repeat regions of the
Newcastle disease virus fusion protein block
 fusion
 SO Journal of Virology (1994), 68(11), 7654-8
 CODEN: JOVIAM; ISSN: 0022-538X

L4 ANSWER 41 OF 62 MEDLINE DUPLICATE 9
 AU Plaksin D; Porgador A; Vadai E; Feldman M; Schirrmacher V; Eisenbach L
 TI Effective anti-metastatic melanoma vaccination with tumor cells
 transfected with MHC genes and/or infected with **Newcastle**
disease virus (NDV).
 SO INTERNATIONAL JOURNAL OF CANCER, (1994 Dec 15) 59 (6) 796-801.
 Journal code: 0042124. ISSN: 0020-7136.

L4 ANSWER 42 OF 62 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU Wilkinson, David A.; Goodchild, Nancy L.; Saxton, Tracy M.; Wood,
 Stephen;
 Mager, Dixie L. (1)
 TI Evidence for a functional subclass of the RTVL-H family of human
 endogenous retrovirus-like sequences.
 SO Journal of Virology, (1993) Vol. 67, No. 6, pp. 2981-2989.
 ISSN: 0022-538X.

L4 ANSWER 43 OF 62 MEDLINE DUPLICATE 10
 AU Coleman N A; Peeples M E
 TI The matrix protein of **Newcastle disease virus**
 localizes to the nucleus via a bipartite nuclear localization signal.
 SO VIROLOGY, (1993 Aug) 195 (2) 596-607.
 Journal code: 0110674. ISSN: 0042-6822.

- L4 ANSWER 44 OF 62 MEDLINE DUPLICATE 11
 AU Wang C; Raghu G; Morrison T; Peeples M E
 TI Intracellular processing of the paramyxovirus F protein: critical role of the predicted amphipathic alpha helix adjacent to the fusion domain.
 SO JOURNAL OF VIROLOGY, (1992 Jul) 66 (7) 4161-9.
 Journal code: 0113724. ISSN: 0022-538X.
- L4 ANSWER 45 OF 62 MEDLINE DUPLICATE 12
 AU Peeples M E; Wang C; Gupta K C; Coleman N
 TI Nuclear entry and nucleolar localization of the **Newcastle disease virus** (NDV) matrix protein occur early in infection and do not require other NDV proteins.
 SO JOURNAL OF VIROLOGY, (1992 May) 66 (5) 3263-9.
 Journal code: 0113724. ISSN: 0022-538X.
- L4 ANSWER 46 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU HORVATH C M; LAMB R A (Reprint)
 TI STUDIES ON THE FUSION PEPTIDE OF A PARAMYXOVIRUS FUSION GLYCOPROTEIN - ROLES OF CONSERVED RESIDUES IN CELL-FUSION
 SO JOURNAL OF VIROLOGY, (APR 1992) Vol. 66, No. 4, pp. 2443-2455.
 ISSN: 0022-538X.
- L4 ANSWER 47 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU ANDERSON K (Reprint); STOTT E J; WERTZ G W
 TI INTRACELLULAR PROCESSING OF THE HUMAN RESPIRATORY SYNCYTIAL VIRUS FUSION GLYCOPROTEIN - AMINO-ACID SUBSTITUTIONS AFFECTING FOLDING, TRANSPORT AND CLEAVAGE
 SO JOURNAL OF GENERAL VIROLOGY, (MAY 1992) Vol. 73, Part 5, pp. 1177-1188.
 ISSN: 0022-1317.
- L4 ANSWER 48 OF 62 MEDLINE DUPLICATE 13
 AU Ahlert T; Schirmacher V
 TI Isolation of a human melanoma adapted **Newcastle disease virus** mutant with highly selective replication patterns.
 SO CANCER RESEARCH, (1990 Sep 15) 50 (18) 5962-8.
 Journal code: 2984705R. ISSN: 0008-5472.
- L4 ANSWER 49 OF 62 MEDLINE DUPLICATE 14
 AU Pritzer E; Kuroda K; Garten W; Nagai Y; Klenk H D
 TI A host range mutant of **Newcastle disease virus** with an altered cleavage site for proteolytic activation of the F protein.
 SO VIRUS RESEARCH, (1990 Mar) 15 (3) 237-42.
 Journal code: 8410979. ISSN: 0168-1702.
- L4 ANSWER 50 OF 62 MEDLINE DUPLICATE 15
 AU Yusoff K; Nesbit M; McCartney H; Meulemans G; Alexander D J; Collins M S; Emmerson P T; Samson A C
 TI Location of neutralizing epitopes on the fusion protein of **Newcastle disease virus** strain Beaudette C.
 SO JOURNAL OF GENERAL VIROLOGY, (1989 Nov) 70 (Pt 11) 3105-9.
 Journal code: 0077340. ISSN: 0022-1317.
- L4 ANSWER 51 OF 62 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU YUSOFF K; NESBIT M; MCCARTNEY H; EMMERSON P T; SAMSON A C R
 TI MAPPING OF THREE ANTIGENIC SITES ON THE HEMAGGLUTININ-NEURAMINIDASE PROTEIN OF **NEWCASTLE DISEASE VIRUS**.
 SO VIRUS RES, (1988) 11 (4), 319-334.
 CODEN: VIREDF. ISSN: 0168-1702.

L4 ANSWER 52 OF 62 MEDLINE DUPLICATE 16
 AU Lawton P; Karimi Z; Mancinelli L; Seto J T
 TI Persistent infections with Sendai virus and **Newcastle disease viruses**.
 SO ARCHIVES OF VIROLOGY, (1986) 89 (1-4) 225-33.
 Journal code: 7506870. ISSN: 0304-8608.

L4 ANSWER 53 OF 62 CAPLUS COPYRIGHT 2002 ACS
 AU Peeples, Mark E.; Bratt, Michael A.
 TI Mapping **mutant** and wild-type M proteins of **Newcastle disease virus (NDV)** by repeated partial proteolysis
 SO Nonsegmented Negat. Strand Viruses, [Proc. Symp. Mol. Biol. Negat. Strand Viruses] (1984), Meeting Date 1983, 315-20. Editor(s): Bishop, David H. L.; Compans, Richard W. Publisher: Academic, Orlando, Fla.
 CODEN: 52EHAI

L4 ANSWER 54 OF 62 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU LAM K M; LIN W
 TI FURTHER STUDIES ON THE IMMUNIZATION OF CHICKENS WITH TEMPERATURE SENSITIVE MYCOPLASMA-GALLISEPTICUM MUTANT.
 SO AVIAN DIS, (1984) 28 (1), 131-138.
 CODEN: AVDIAI. ISSN: 0005-2086.

L4 ANSWER 55 OF 62 MEDLINE DUPLICATE 17
 AU Peeples M E; Bratt M A
 TI Mutation in the matrix protein of **Newcastle disease virus** can result in decreased fusion glycoprotein incorporation into particles and decreased infectivity.
 SO JOURNAL OF VIROLOGY, (1984 Jul) 51 (1) 81-90.
 Journal code: 0113724. ISSN: 0022-538X.

L4 ANSWER 56 OF 62 MEDLINE DUPLICATE 18
 AU Harper D R; Samson A C; Lee C M; Simon E
 TI A temperature-sensitive mutant of **Newcastle disease virus** which is affected in both haemagglutinin-neuraminidase and matrix proteins.
 SO JOURNAL OF GENERAL VIROLOGY, (1983 Dec) 64 (Pt 12) 2781-4.
 Journal code: 0077340. ISSN: 0022-1317.

L4 ANSWER 57 OF 62 MEDLINE DUPLICATE 19
 AU Peeples M E; Bratt M A
 TI Virion functions of RNA+ temperature-sensitive mutants of **Newcastle disease virus**.
 SO JOURNAL OF VIROLOGY, (1982 May) 42 (2) 440-6.
 Journal code: 0113724. ISSN: 0022-538X.

L4 ANSWER 58 OF 62 CAPLUS COPYRIGHT 2002 ACS
 AU Madansky, Charles H.; Bratt, Michael A.
 TI A genetic approach to cytopathogenicity, virus spread, and virulence of **Newcastle disease virus (NDV)**
 SO ICN-UCLA Symp. Mol. Cell. Biol. (1980), 18(Anim. Virus Genet.), 673-84
 CODEN: IUSMDJ; ISSN: 0097-9023

L4 ANSWER 59 OF 62 MEDLINE DUPLICATE 20
 AU Garten W; Berk W; Nagai Y; Rott R; Klenk H D
 TI Mutational changes of the protease susceptibility of glycoprotein F of **Newcastle disease virus**: effects on

pathogenicity.

SO JOURNAL OF GENERAL VIROLOGY, (1980 Sep) 50 (1) 135-47.
Journal code: 0077340. ISSN: 0022-1317.

L4 ANSWER 60 OF 62 CAPLUS COPYRIGHT 2002 ACS
AU Klenk, Hans Dieter; Nagai, Yoshiyuki; Rott, Rudolf; Nicolau, Claude
TI The structure and function of paramyxovirus glycoproteins
SO Med. Microbiol. Immunol. (1977), 164(1-3), 35-47
CODEN: MMIYAO; ISSN: 0300-8584

L4 ANSWER 61 OF 62 MEDLINE DUPLICATE 21
AU Lomniczi B
TI Properties of non-neurovirulent plaque-forming mutants of Newcastle disease virus.
SO AVIAN DISEASES, (1976 Jan-Mar) 20 (1) 126-34.
Journal code: 0370617. ISSN: 0005-2086.

L4 ANSWER 62 OF 62 CAPLUS COPYRIGHT 2002 ACS
AU Ghumman, J. S.; Bankowski, R. A.
TI In vitro DNA synthesis in lymphocytes from turkeys vaccinated with LaSota,
TC, and inactivated Newcastle disease vaccines
SO Avian Dis. (1976), 20(1), 18-31
CODEN: AVDIAI

=> d 20-29 au ti so l4

L4 ANSWER 20 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU Paterson R G; Russell C J; Lamb R A (Reprint)
TI Fusion protein of the paramyxovirus SV5: Destabilizing and stabilizing mutants of fusion activation
SO VIROLOGY, (25 APR 2000) Vol. 270, No. 1, pp. 17-30.
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495.
ISSN: 0042-6822.

L4 ANSWER 21 OF 62 CAPLUS COPYRIGHT 2002 ACS
AU Wang, Zhi-yu
TI Mutation analysis of leucines in the active domain of paramyxovirus fusion
protein
SO Bingdu Xuebao (2000), 16(1), 12-16
CODEN: BIXUEA; ISSN: 1000-8721

L4 ANSWER 22 OF 62 CAPLUS COPYRIGHT 2002 ACS
IN Burch, Ronald M.
TI Immunoglobulin molecules having a synthetic variable region and modified specificity
SO PCT Int. Appl., 123 pp.
CODEN: PIXXD2

L4 ANSWER 23 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
AU Mottet G; Muller V; Roux L (Reprint)
TI Characterization of Sendai virus M protein mutants that can partially interfere with virus particle production
SO JOURNAL OF GENERAL VIROLOGY, (NOV 1999) Vol. 80, Part 11, pp. 2977-2986.
Publisher: SOC GENERAL MICROBIOLOGY, MARLBOROUGH HOUSE, BASINGSTOKE RD, SPENCERS WOODS, READING RG7 1AE, BERKS, ENGLAND.
ISSN: 0022-1317.

L4 ANSWER 24 OF 62 MEDLINE DUPLICATE 5
 AU Fujii Y; Sakaguchi T; Kiyotani K; Yoshida T
 TI Comparison of substrate specificities against the fusion glycoprotein of virulent **Newcastle disease virus** between a chick embryo fibroblast processing protease and mammalian subtilisin-like proteases.
 SO MICROBIOLOGY AND IMMUNOLOGY, (1999) 43 (2) 133-40.
 Journal code: 7703966. ISSN: 0385-5600.

L4 ANSWER 25 OF 62 CAPLUS COPYRIGHT 2002 ACS
 AU Deng, Ruitang; Wang, Zhiyu; Mahon, Paul J.; Marinello, Mark; Mirza, Anne; Iorio, Ronald M.
 TI Mutations in the **Newcastle disease virus** hemagglutinin-neuraminidase protein that interfere with its ability to interact with the homologous F protein in the promotion of fusion
 SO Virology (1999), 253(1), 43-54
 CODEN: VIRLAX; ISSN: 0042-6822

L4 ANSWER 26 OF 62 MEDLINE DUPLICATE 6
 AU Li Z; Sergel T; Razvi E; Morrison T
 TI Effect of cleavage mutants on syncytium formation directed by the wild-type fusion protein of **Newcastle disease virus**.
 SO JOURNAL OF VIROLOGY, (1998 May) 72 (5) 3789-95.
 Journal code: 0113724. ISSN: 0022-538X.

L4 ANSWER 27 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU Segawa H (Reprint); Kato M; Yamashita T; Taira H
 TI The roles of individual cysteine residues of Sendai virus fusion protein in intracellular transport
 SO JOURNAL OF BIOCHEMISTRY, (JUN 1998) Vol. 123, No. 6, pp. 1064-1072.
 Publisher: JAPANESE BIOCHEMICAL SOC, ISHIKAWA BLDG-3F, 25-16 HONGO-5-CHOME, BUNKYO-KU, TOKYO 113, JAPAN.
 ISSN: 0021-924X.

L4 ANSWER 28 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU Liermann H; Harder T C; Lochelt M; VonMessling V; Baumgartner W; Moennig V; Haas L (Reprint)
 TI Genetic analysis of the central untranslated genome region and the proximal coding part of the F gene of wild-type and vaccine canine distemper morbilliviruses
 SO VIRUS GENES, (29 JAN 1998) Vol. 17, No. 3, pp. 259-270.
 Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA DORDRECHT, NETHERLANDS.
 ISSN: 0920-8569.

L4 ANSWER 29 OF 62 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU Zhou J; Dutch R E; Lamb R A (Reprint)
 TI Proper spacing between heptad repeat B and the transmembrane domain boundary of the paramyxovirus SV5 F protein is critical for biological activity
 SO VIROLOGY, (22 DEC 1997) Vol. 239, No. 2, pp. 327-339.
 Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495.
 ISSN: 0042-6822.

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